ROCKY FLATS PLANT EMD RFI/RI WORK PLAN OU-5 WOMAN CREEK PRIORITY DRAINAGE Manual No.:
Procedure No.:
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DOCUMENT CLASSIFICATION REVIEW WAIVER PER R.B. HOFFMAN, CLASSIFICATION OFFICE JUNE 11, 1991 ROCKY FLATS PLANT EMD RFI/RI WORK PLAN OU-5 WOMAN CREEK PRIORITY DRAINAGE

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DOCUMENT MODIFICATION REQUEST (DMR)

Page Refer to 1-A01-PPG-001 for Processing Instructions. DMR. No. 93-DMR-Print or Type All Information (Except Signatures) 12/23/93 2. Existing Document Number/Revision 21100-WP-OU 05.1 Section Rev.1 N/A 4. Originator's Name/Phone/Page/Lo 5. Document Title Phase I RFI/RI Work Plan, Woman E.C. Mast/8589/4672/080 Creek Priority Drainage Operable Unit No.5, 6. Document Type | Procedure st Mudification Type (Check only one) □ New A Revision A Intent Change □ Nonintent Change □ Editorial Correction □ Cancellation 9. Page 10. Step 11. Proposed Medifications 7-43 Delete the first 2 sentences of the third paragraph of this section. 2 7-44 Table 7-11 Replace Table 7-11 with the attached revised table. 3 17 of 39 10.0 Replace Table 2 with the attached revised table. 1. Field preservations blanks are not required because only certified clean sample containers are used for the OU5 RFI/RI. 2,3 The field QC sample requirements stated in these two tables are not in agreement causing considerable confusion as to what requirements apply to sampling activities in OU5. These tables also require revision to incorporate the change identified under Item 1, above. If modification is for a new po If medification is for a new proceedants or a revision, first concurring disciplinat in Block 13, and enter N/A in Block 14 and 15. If medification is for any type of change or a cancellation, organizations are listed in Block 13, then Consumor prime, and signs in Block 14, and there in Block 15. 14. Print and Sign (of applicable) Educade C Most 12/23/93 ERM FOS 0243 REVIEWED FOR CLASSIFICATION/UC

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7.3.4 Sample Handling and Documentation

Sample control and documentation is necessary to ensure the defensibility of data and to verify the quality and quantity of work performed in the field. Accountable documents include logbooks, data collection forms, sample labels or tags, chain-of-custody forms, photographs, and analytical records and reports. Specific guidance defining the necessary sample control, identification, and chain-of-custody documentation is discussed in SOP FO.14.

7.3.5 Data Reporting Requirements

Field data will be input into the RFEDS using a remote data entry module supplied by EG&G. Data will be entered on a timely basis and a 3.5-inch diskette will be delivered to EG&G. A hard copy report will be generated from the module for contractor use. The data will be put through a prescribed QC process based on SOP FO.14 to be generated by EG&G.

A sample tracking spreadsheet will be maintained by the contractor for use in tracking sample collection and shipment. EG&G will supply the spreadsheet format and will stipulate the timely reporting of the information. This data will also be delivered to EG&G on 3.5-inch diskettes. Computer hardware and software requirements for contractors using government supplied equipment will be supplied by EG&G. Computer and data security will also follow acceptable procedures outlined by EG&G.

7.4 FIELD QC PROCEDURES

Sample duplicates, field preservation blanks, and equipment rinsate blanks will be prepared. Trip blanks will be obtained from the laboratory. The analytical results obtained for these samples will be used by the Environmental Restoration (ER) Project Manager to assess the quality of the field sampling effort. The types of field QC samples to be collected and their application are discussed below. The frequency for QC samples to be collected and analyzed is provided in Table 7-11.

Duplicate samples will be collected by the sampling team and will be used as a relative measure of the precision of the sample collection process. These samples will be collected at the same time, using the same procedures, the same equipment, and in the same types of containers as required for the samples. They will also be preserved in the same manner and submitted for the same analyses as required for the samples.

Field preservation blanks of distilled water, preserved according to the preservation requirements (Subsection 7.3.3), will be prepared by the sampling team and will be used to provide an indication of any contamination introduced during field sample preparation technique. As indicated by Table 7-11, these QC samples are applicable only to samples requiring chemical preservation. Equipment (rinsate) blanks will be collected from a final decontamination rinse to evaluate the success of the field sampling team's decontamination efforts on nondedicated sampling equipment.

TABLE 7-11
FIELD QC SAMPLE FREQUENCY

Media Liquids Solids Type of Analysis Sample Type 1/10 1/10 Organics **Duplicates** 1/10 1/10 Inorganics 1/10 1/10 Radionuclides 1/20 1/20 Equipment Rinsate Blanks **Organics** 1/20 1/20 Inorganics 1/20 Radionuclides 1/20 1/20 / PER VOC
COLLECTION DAY* NR Organics (Volatiles) Trip Blanks NR NR Inorganics NR Radionuclides NR NR = Not Required * TRIP BLANK TO ACCOMPANY THE ASSOCIATED VOC SAMPLE COLLECTION AND SHIPMENT TO THE LABORATORY

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Equipment blanks are obtained by rinsing cleaned equipment with distilled water prior to sample collection. The rinsate is collected and placed in the appropriate sample container. Equipment rinsate blanks are applicable to all analyses for water and soil samples as indicated in Table 7-11.

Trip blanks consisting of deionized water will be prepared by the laboratory technician and will accompany each shipment of water samples for volatile organic analysis. Trip blanks will be stored with the group of samples with which they are associated. Analysis of the trip blank will indicate migration of volatile organics or problems associated with the shipment, handling, or storage of the samples.

Procedures for monitoring field QC are given in the site-wide Quality Assurance Project Plan (QAPjP).

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